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*Admitted only in Maryland
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*Practice Limited to
Federal Agencies

July 15, 2004

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Art Unit 1648

Re: U.S. Utility Patent Application
Appl. No. 09/848,616; Filed: May 4, 2001
For: **Molecular Antigen Array**
Inventors: **SEBBEL et al.**
Our Ref: 1700.0180002/BJD/SJE

Sir:

Transmitted herewith for appropriate action are the following documents:

1. First Supplemental Information Disclosure Statement;
2. Form PTO-1449 (62 sheets citing 195 documents);
3. 189 documents cited in Form PTO-1449 (attached); and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono
Attorney for Applicants
Registration No. 42,473

BJD/SJE/lam
Enclosures

287535.1



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sebbel *et al.*

Appl. No.: 09/848,616

Filed: May 4, 2001

For: **Molecular Antigen Array**

Confirmation No.: 6018

Art Unit: 1648

Examiner: Mosher, M.

Atty. Docket: 1700.0180002/BJD/SJE

**First Supplemental Information Disclosure Statement
Under 37 C.F.R. § 1.97(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Information Disclosure Statement filed on May 7, 2002 in connection with the above-captioned application.

Copies of documents AF2 to AK2 are not provided in accordance with the U.S. Patent and Trademark Office pre-OG notice of July 11, 2003, which states "[t]he Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003." Copies of the remaining documents are provided.

The Examiner's attention is directed to the following copending applications directed to related technical subject matter:

U.S. Application No. 10/622,064, Bachmann *et al.*, filed July 18, 2003, published as Published Application No. 2004/0059094 A1 (Document AD1);

U.S. Application No. 10/617,876, Bachmann *et al.*, filed July 14, 2003, published as Published Application No. 2004/0076611 A1 (Document AE1);

U.S. Application No. 10/622,087, Bachmann *et al.*, filed July 18, 2003, pending (Document AT92);

U.S. Application No. 10/622,124, Bachmann *et al.*, filed July 18, 2003, published as Published Application No. 2004/0076645 A1 (Document AF1); and

U.S. Application No. 10/733,582, Renner *et al.*, filed December 12, 2003 pending (Not Published), which is a continuation of U.S. Application No. 09/449,631, Renner *et al.*, filed November 30, 1999, abandoned (Document AR93).

In accordance with the recent Federal Circuit decision in *Dayco Prods., Inc. v. Total Containment, Inc.* 329 F.3d 1358 (Fed. Cir. 2003), Applicants submit herewith Office Actions from related copending applications as Documents AS95-AS96.

The identification of these U.S. Patent Applications and Office Actions is not to be construed as a waiver if secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications, Office Actions, and the art cited therein during examination of the present application.

Document AR94 is an unverified English language abstract of non English-language Published International Patent Application No. 94/06472, which was submitted as Document AL2 in Applicants' Information Disclosure Statement filed on May 7, 2002.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

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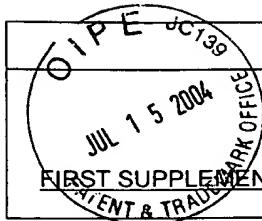


Brian J. Del Buono
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Date: July 15, 2004

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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT

ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FIRST NAMED INVENTOR Sebbel et al.	
FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF2	5,143,726	09/01/1992	Thornton et al.			11/20/1989
	AG2	5,580,859	12/03/1996	Felgner et al.			03/18/1994
	AH2	5,935,821	08/10/1999	Chatterjee et al.			11/21/1996
	AI2	2004/0059094	03/25/2004	Bachmann et al.			07/18/2003
	AJ2	2004-0076611	04/22/2004	Bachmann et al.			07/14/2003
	AK2	2004-0076645	04/22/2004	Bachmann et al.			07/18/2003

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN4	WO 99/28478	06/10/1999	WIPO			Yes No
	AO4	WO 99/57289	11/11/1999	WIPO			Yes No
	AP4	WO 00/50461	08/31/2000	WIPO			Yes No

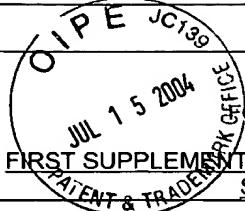
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS	35	Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of Escherichia coli," <i>Proc Natl Acad Sci U S A</i> . 1985 Sep;82(17):5724-5727, National Academy Press (1985)
	AT	35	Abraham, S.N., et al., "Glycerol-induced unraveling of the tight helical conformation of Escherichia coli type 1 fimbriae," <i>J Bacteriol</i> . 1992 Aug;174(15):5145-5148, American Society for Microbiology (1992)

EXAMINER

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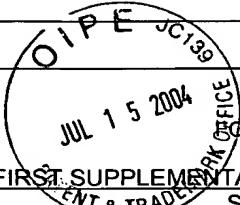
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL5	EP 0 385 610 A1	05/09/1990	Europe			Yes No
	AM5	EP 0 385 610 B1	03/16/1994	Europe			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	36	Arnon, R., et al., "A mimotope peptide-based vaccine against Schistosoma mansoni: synthesis and characterization," <i>Immunology</i> . 2000 Dec;101(4):555-562, Blackwell Science, Ltd. (December 2000)
AS	36	Bachmann, M.F., et al., "TRANCE, a tumor necrosis factor family member critical for CD40 ligand-independent T helper cell activation," <i>J Exp Med.</i> 1999 Apr 5;189(7):1025-1031, The Rockefeller University Press (1999)
AT	36	Bass, S., and Yang, M., "Expressing cloned genes in Escherichia coli," in <i>Protein Function: A practical Approach</i> , 2 nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>37</u>	Blomfield, I.C., et al., "Type 1 fimbriation and fimE mutants of Escherichia coli K-12., " <i>J Bacteriol.</i> 1991 Sep;173(17):5298-5307, American Society for Microbiology (1991)
AS	<u>37</u>	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in Escherichia coli, " <i>Mol Microbiol.</i> 1997 Feb;23(4):705-717, Blackwell Science, Ltd. (1997)
AT	<u>37</u>	Boder, E.T., and Wittrup, K.D., "Yeast surface display for directed evolution of protein expression, affinity, and stability, " <i>Methods Enzymol.</i> 2000;328:430-444, Academic Press (October 2000)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>38</u>	Bonci, A., et al., "Relatedness and phylogeny within the family of periplasmic chaperones involved in the assembly of pili or capsule-like structures of gram-negative bacteria," <i>J Mol Evol.</i> 1997 Mar;44(3):299-309, Springer Verlag New York Inc. 1997
AS	<u>38</u>	Brinton, Jr., C.C., "the Structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," <i>Trans. N.Y. Acad. Sci.</i> 1965;27:1003-1054, New York Academy of Sciences (1965)
AT	<u>38</u>	Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J Immunol.</i> 1989 Jan 15;142(2):679-687, The American Association of Immunologists (1989)

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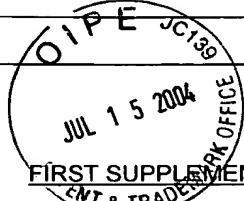
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>39</u>	Brown, P.M., et al., "A single-step purification of biologically active recombinant human interleukin-5 from a baculovirus expression system," <i>Protein Expr Purif.</i> 1995 Feb;6(1):63-71, Academic Press, Inc. (1995)
AS	<u>39</u>	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," <i>Blood.</i> 2000 Oct;96(8):2655-63, The American Society of Hematology (October 2000)
AT	<u>39</u>	Burghoff, R.L., et al., "Utilization of the mouse large intestine to select an Escherichia coli F-18 DNA sequence that enhances colonizing ability and stimulates synthesis of type 1 fimbriae," <i>Infect Immun.</i> 1993 Apr;61(4):1293-1300, American Society for Microbiology (1993)

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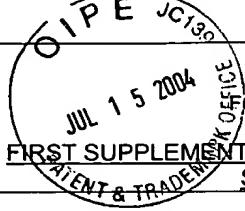
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>40</u>	Daugherty, P.S. et al., "Development of an optimized expression system for the screening of antibody libraries displayed on the Escherichia coli surface," <i>Protein Eng.</i> 1999 Jul;12(7):613-621, Oxford University Press (July 1999)
AS	<u>40</u>	Eisenstein, B.I., et al., "Phase variation of type 1 fimbriae in Escherichia coli is under transcriptional control," <i>Science</i> . 1981 Oct 16;214(4518):337-339, American Association for the Advancement of Science (1981)
AT	<u>40</u>	Elisseeva, E.L., et al., "NMR studies of active N-terminal peptides of stromal cell-derived factor-1. Structural basis for receptor binding," <i>J Biol Chem.</i> 2000 Sep 1;275(35):26799-26805, The American Society for Biochemistry and Molecular Biology Inc. (September 2000)

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AR	<u>41</u>	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," <i>Proc Natl Acad Sci U S A</i> . 1998 Aug 4;95(16):9477-9481, National Academy Press (1998)
AS	<u>41</u>	Gally, D.L., et al., "Environmental regulation of the fim switch controlling type 1 fimbrial phase variation in <i>Escherichia coli</i> K-12: effects of temperature and media," <i>J Bacteriol.</i> 1993 Oct;175(19):6186-6193, American Society for Microbiology (1993)
AT	<u>41</u>	Gally, D.L., et al., "Interaction of FimB and FimE with the fim switch that controls the phase variation of type 1 fimbriae in <i>Escherichia coli</i> K-12," <i>Mol Microbiol.</i> 1996 Aug;21(4):725-38, Blackwell Science Ltd: (1996)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>42</u>	Gherardi, E., et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J Immunol Methods</i> . 1990 Jan 24;126(1):61-68, Elsevier (1990)
	AS	<u>42</u>	Hanes, J., et al., "Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display," <i>Nat Biotechnol</i> . 2000 Dec;18(12):1287-1292, Nature Publishing Company (December 2000)
	AT	<u>42</u>	Hanson, M.S., et al., "Purification of the Escherichia coli type 1 pilin and minor pilus proteins and partial characterization of the adhesin protein," <i>J Bacteriol</i> . 1988 Aug;170(8):3350-3358, American Society for Microbiology (1988)

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AR	<u>43</u>	Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of <i>E. coli</i> type-1 pilus tip adhesion protein," <i>Nature</i> . 1988 Mar 17;332(6161):265-8, Nature Publishing Group (1988)
AS	<u>43</u>	Harrison, J.L., et al., "Screening of phage antibody libraries," <i>Methods Enzymol.</i> 1996;267:83-109, Macmillan Publisher Ltd. (1996)
AT	<u>43</u>	Hirel, P.-H., et al., "Extent of N-terminal methionine excision from <i>Escherichia coli</i> proteins is governed by the side-chain length of the penultimate amino acid," <i>Proc Natl Acad Sci U S A.</i> 1989 Nov;86(21):8247-8251, National Academy Press (1989)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>44</u>	Holmgren, A., et al., "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 1992 Apr;11(4):1617-1622, Oxford University Press (1992)
AS	<u>44</u>	Holmgren, A., and Bränden, C.-I., "Crystal structure of chaperone protein PapD reveals an immunoglobulin fold," <i>Nature</i> . 1989 Nov 16;342(6247):248-251, Nature Publishing Group (1989)
AT	<u>44</u>	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones," <i>Adv Protein Chem.</i> 1993;44:99-123, Academic Press Inc. (1993)

EXAMINER	DATE CONSIDERED
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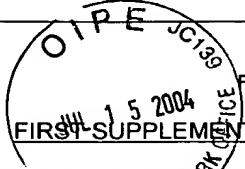
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>45</u>	Hultgren, S.J., et al., "Pilus and nonpilus bacterial adhesins: assembly and function in cell recognition," <i>Cell</i> . 1993 Jun 4;73(5):887-901, Cell Press (1993)
	AS	<u>45</u>	Hultgren, S.J., et al., "Bacterial Adhesins and Their Assembly," in <i>Escherichia coli and Salmonella</i> , Neidhardt, F.C., et al., eds., ASM Press, Washington, D.C. pp. 2730-2756 (1996)
	AT	<u>45</u>	Hung, D.L., et al., "Molecular basis of two subfamilies of immunoglobulin-like chaperones," <i>EMBO J</i> . 1996 Aug 1;15(15):3792-3805, Oxford University Press (1996)

EXAMINER

DATE CONSIDERED

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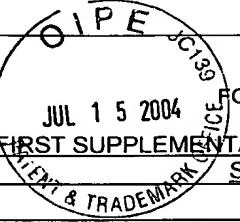
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AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>46</u>	Ingle, E., et al., "Production and purification of recombinant human interleukin-5 from yeast and baculovirus expression systems," <i>Eur J Biochem</i> . 1991 Mar 28;196(3):623-629, Blackwell Science Ltd. (1991)
AS	<u>46</u>	Jacob-Dubuisson, F., et al., "PapD chaperone function in pilus biogenesis depends on oxidant and chaperone-like activities of DsbA," <i>Proc Natl Acad Sci U S A</i> . 1994 Nov 22;91(24):11552-11556, National Academy Press (1994)
AT	<u>46</u>	Jacob-Dubuisson, F., et al., "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," <i>EMBO J</i> . 1993 Mar;12(3):837-47, Oxford University Press (1993)

EXAMINER	DATE CONSIDERED
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AR	47	Jacob-Dubuisson, F., et al., "Chaperone-assisted self-assembly of pili independent of cellular energy," <i>J Biol Chem.</i> 1994 Apr 29;269(17):12447-12455, The American Society for Biochemistry and Molecular Biology Inc. (1994)
AS	47	Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria, " <i>Proc Natl Acad Sci U S A.</i> 1993 Sep 15;90(18):8397-8401, National Academy Press (1993)
AT	47	Jones, C.H., et al., " FimH adhesin of type 1 pili is assembled into a fibrillar tip structure in the Enterobacteriaceae, " <i>Proc Natl Acad Sci U S A.</i> 1995 Mar 14;92(6):2081-2085, National Academy Press (1995)

EXAMINER

DATE CONSIDERED

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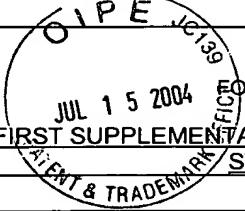
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AR	48	Kim, K.-H., et al., "A cysteine-rich adipose tissue-specific secretory factor inhibits adipocyte differentiation," <i>J Biol Chem.</i> 2001 Apr 6;276(14):11252-11256, The American Society for Biochemistry and Molecular Biology Inc. (April 2001)
AS	48	Klemm, P., et al., "The major subunit of Escherichia coli type 1 fimbriae is not required for D-mannose-specific adhesion," <i>Mol Microbiol.</i> 1990 Apr;4(4):553-559, Blackwell Scientific Publications (1990)
AT	48	Klemm, P., and Christiansen, G., "The fimD gene required for cell surface localization of Escherichia coli type 1 fimbriae," <i>Mol Gen Genet.</i> 1990 Jan;220(2):334-338, Springer-Verlag (1990)

EXAMINER	DATE CONSIDERED
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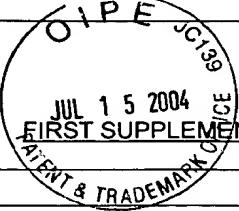
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>49</u>	Klemm, P., "FimC, a chaperone-like periplasmic protein of Escherichia coli involved in biogenesis of type 1 fimbriae," <i>Res Microbiol.</i> 1992 Nov-Dec;143(9):831-838, Institute Pasteur/Elsevier (1992)
AS	<u>49</u>	Klemm, P., and Krogfelt, K.A., "Type 1 Fimbriae of Escherichia coli," In <i>Fimbriae</i> , Klemm, P., ed., CRC Press, Inc., Boca Raton, FL., pp.9-26 (1994)
AT	<u>49</u>	Koschel, M., et al., "Extensive mutagenesis of the hepatitis B virus core gene and mapping of mutations that allow capsid formation," <i>J Virol.</i> 1999 Mar;73(3):2153-2160, American Society for Microbiology (March 1999)

EXAMINER

DATE CONSIDERED

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	AP						Yes
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	AR	<u>50</u>	Krogfelt, K.A., et al., "Direct evidence that the FimH protein is the mannose-specific adhesin of Escherichia coli type 1 fimbriae," <i>Infect Immun.</i> 1990 Jun;58(6):1995-1998, American Society for Microbiology (1990)
	AS	<u>50</u>	Lowe, M.A., et al., "Immunoelectron microscopic analysis of elongation of type 1 fimbriae in Escherichia coli," <i>J Bacteriol.</i> 1987 Jan;169(1):157-163, American Society for Microbiology (1987)
	AT	<u>50</u>	Lu, D., et al., "Identification of the residues in the extracellular region of KDR important for interaction with vascular endothelial growth factor and neutralizing anti-KDR antibodies," <i>J Biol Chem.</i> 2000 May 12;275(19):14321-14330, The American Society for Biochemistry and Molecular Biology Inc (May 2000)

EXAMINER

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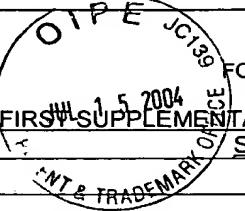
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>51</u>	Luther, S.A., et al., "BLC expression in pancreatic islets causes B cell recruitment and lymphotoxin-dependent lymphoid neogenesis," <i>Immunity</i> . 2000 May;12(5):471-481, Cell Press (May 2000)
AS	<u>51</u>	Mackay, J.L., and Browning, J.L., "Turning off follicular dendritic cells," <i>Nature</i> . 1998 Sep 3;395(6697):26-27, Macmillan Magazines Ltd. (1998)
AT	<u>51</u>	Matthews, W., et al., "A receptor tyrosine kinase cDNA isolated from a population of enriched primitive hematopoietic cells and exhibiting close genetic linkage to c-kit," <i>Proc Natl Acad Sci U S A</i> . 1991 Oct 15;88(20):9026-9030, National Academy Press (1991)

EXAMINER	DATE CONSIDERED
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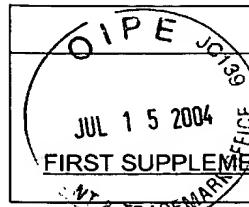
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AP						Yes No

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AR	<u>52</u>	McClain, M.S., et al., "Roles of fimB and fimE in site-specific DNA inversion associated with phase variation of type 1 fimbriae in Escherichia coli," <i>J Bacteriol.</i> 1991 Sep;173(17):5308-5314, American Society for Microbiology (1991)
AS	<u>52</u>	Mikulowska, A., et al., "Macrophage migration inhibitory factor is involved in the pathogenesis of collagen type II-induced arthritis in mice," <i>J Immunol.</i> 1997 Jun 1;158(11):5514-5517, The American Association of Immunologists (1997)
AT	<u>52</u>	Millauer, B., et al., "Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant," <i>Nature.</i> 1994 Feb 10;367(6463):576-579, Nature Publishing Group (1994)

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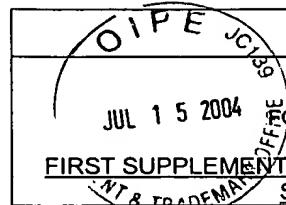
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AR	<u>53</u>	Mitchell, D.L., et al., "Purification and characterisation of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system," <i>Biochem Soc Trans.</i> 1993 Nov;21(4):332S, Portland Press (1993)
AS	<u>53</u>	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by RNase E in the pap operon of Escherichia coli," <i>Mol Microbiol.</i> 1996 Jul;21(1):55-68, Blackwell Science Ltd. (1996)
AT	<u>53</u>	Newman, J.V., et al., "Stimulation of Escherichia coli F-18Col- type-1 fimbriae synthesis by leuX," <i>FEMS Microbiol Lett.</i> 1994 Oct 1;122(3):281-287, Elsevier (1994)

EXAMINER

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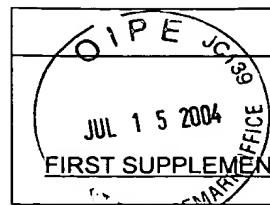
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AR	<u>54</u>	Nieland, J.D., <i>et al.</i> , "Chimeric papillomavirus virus-like particles induce a murine self-antigen-specific protective and therapeutic antitumor immune response," <i>J Cell Biochem</i> . 1999 May 1;73(2):145-152, Wiley-Liss Inc. (May 1999)
AS	<u>54</u>	Nilsson, P., <i>et al.</i> , "Mutations affecting mRNA processing and fimbrial biogenesis in the Escherichia coli pap operon," <i>J Bacteriol</i> . 1996 Feb;178(3):683-690, American Society for Microbiology (1996)
AT	<u>54</u>	Olszewska, W., <i>et al.</i> , "Protection against measles virus-induced encephalitis by anti-mimotope antibodies: the role of antibody affinity," <i>Virology</i> . 2000 Jun 20;272(1):98-105, Academic Press (June 2000)

EXAMINER

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AR	<u>55</u>	Orndorff, P.E., and Falkow, S., "Identification and characterization of a gene product that regulates type 1 pilin in Escherichia coli," <i>J Bacteriol.</i> 1984 Oct;160(1):61-66, American Society for Microbiology (1984)
AS	<u>55</u>	Orndorff, P.E., and Falkow, S., "Nucleotide sequence of pilA, the gene encoding the structural component of type 1 pili in Escherichia coli," <i>J Bacteriol.</i> 1985 Apr;162(1):454-457, American Society for Microbiology (1985)
AT	<u>55</u>	Pierson-Mullany, L.K., et al., "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," <i>Mol Immunol.</i> 2000 Aug;37(10):613-620, Elsevier Science Ltd (August 2000)

EXAMINER

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AR	56	Ritter, A., et al., "The Pai-associated leuX specific tRNA5(Leu) affects type 1 fimbriation in pathogenic Escherichia coli by control of FimB recombinase expression," <i>Mol Microbiol</i> . 1997 Sep;25(5):871-882, Blackwell Science Ltd (1997)
AS	56	Roesch, P.L., and Blomfield, I.C., "Leucine alters the interaction of the leucine-responsive regulatory protein (Lrp) with the fim switch to stimulate site-specific recombination in Escherichia coli," <i>Mol Microbiol</i> . 1998 Feb;27(4):751-761, Blackwell Science Ltd (1998)
AT	56	Russell, P.W., and Orndorff, P.E., "Lesions in two Escherichia coli type 1 pilus genes alter pilus number and length without affecting receptor binding," <i>Bacteriol</i> . 1992 Sep;174(18):5923-5935, American Society for Microbiology (1992)

EXAMINER

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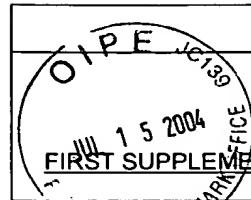
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>57</u>	Saulino, E.T., et al., "Ramifications of kinetic partitioning on usher-mediated pilus biogenesis," <i>EMBO J.</i> 1998 Apr 15;17(8):2177-2185, Oxford University Press (1998)
AS	<u>57</u>	Slepushkin, V.A., et al., "Protection of mice against influenza A virus challenge by vaccination with baculovirus-expressed M2 protein," <i>Vaccine</i> . 1995;13(15):1399-1402, Elsevier Science Ltd. (1995)
AT	<u>57</u>	Slonim, L.N., et al., "Interactive surface in the PapD chaperone cleft is conserved in pilus chaperone superfamily and essential in subunit recognition and assembly," <i>EMBO J.</i> 1992 Dec;11(13):4747-4756, Oxford University Press (1992)

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 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
	FIRST NAMED INVENTOR Seibel et al.	
	FILING DATE May 4, 2001	ART UNIT 1648
	FORM PTO-1449	

U.S. PATENT DOCUMENTS

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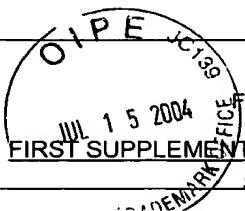
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	58	Smyth, C.J., et al., "Fimbrial adhesins: similarities and variations in structure and biogenesis," <i>FEMS Immunol Med Microbiol.</i> 1996 Dec 1;16(2):127-139, Elsevier (1996)
AS	58	Striker, R.T., et al., "Stable fiber-forming and nonfiber-forming chaperone-subunit complexes in pilus biogenesis," <i>J Biol Chem.</i> 1994 Apr 22;269(16):12233-12239, The American Society for Biochemistry and Molecular Biology Inc. (1994)
AT	58	Thanassi, D.G., et al., "The PapC usher forms an oligomeric channel: implications for pilus biogenesis across the outer membrane," <i>Proc Natl Acad Sci U S A.</i> 1998 Mar 17;95(6):3146-3151, National Academy Press (1998)

EXAMINER

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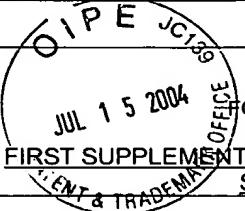
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>59</u>	Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the Escherichia coli PapD chaperone," <i>FEBS Lett.</i> 1997 Jul 21;412(1):115-120, Elsevier Science B.V. (1997)
AS	<u>59</u>	Wynne, S.A., et al., "The crystal structure of the human hepatitis B virus capsid," <i>Mol Cell.</i> 1999 Jun;3(6):771-780, Cell Press (June 1999)
AT	<u>59</u>	Zuercher, A.W., et al., "Oral anti-IgE immunization with epitope-displaying phage," <i>Eur J Immunol.</i> 2000 Jan;30(1):128-135, Wiley-Vch Verlag GmbH (January 2000)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>60</u>	NCBI Entrez, GenBank Report, Accession No. P03153, from Seeger, C., et al. (January 1990)
AS	<u>60</u>	NCBI Entrez, GenBank Report, Accession No. X59397, from Jordan, C.T., et al. (November 1991)
AT	<u>60</u>	NCBI Entrez, GenBank Report, Accession No. 711678A, from Shipolini, R.A., et al. (July 1992)

EXAMINER	DATE CONSIDERED

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		FILING DATE May 4, 2001	ART UNIT 1648

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AR	<u>61</u>	NCBI Entrez, GenBank Report, Accession No. M27603, from Orndorff, P.E., and Falkow, S. (April 1993)
AS	<u>61</u>	NCBI Entrez, GenBank Report, Accession No. M20706, from Nassal M. (April 1993)
AT	<u>61</u>	NCBI Entrez, GenBank Report, Accession No. AAA37490, from Rouvier E. (July 1993)

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		FIRST NAMED INVENTOR Sebel et al.	
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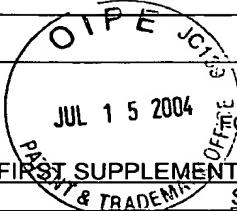
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	AN						Yes No
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AR	<u>62</u>	NCBI Entrez, GenBank Report, Accession No. M90520, from Kew, M.C., et al. (August 1993)
AS	<u>62</u>	NCBI Entrez, GenBank Report, Accession No. X00981, from Klemm, P. (September 1993)
AT	<u>62</u>	NCBI Entrez, GenBank Report, Accession No. VCBPQB, from Maita, T., and Konigsberg, W. (December 1993)

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		FIRST NAMED INVENTOR Sebbel et al.	FILING DATE May 4, 2001
		ART UNIT 1648	

U.S. PATENT DOCUMENTS

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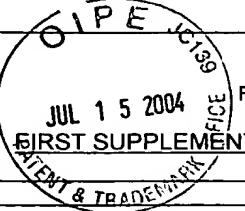
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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>63</u>	NCBI Entrez, GenBank Report, Accession No. AAA16663, from Kozlovska, T.M., et al. (March 1994)
AS	<u>63</u>	NCBI Entrez, GenBank Report, Accession No. X02514, from Yanisch-Perron, C., et al. (May 1994)
AT	<u>63</u>	NCBI Entrez, GenBank Report, Accession No. X85256, from Lai, M.E., et al. (April 1995)

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U.S. PATENT DOCUMENTS

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>64</u>	NCBI Entrez, GenBank Report, Accession No. X85259, from Lai, M.E., et al., (April 1995)
AS	<u>64</u>	NCBI Entrez, GenBank Report, Accession No. X85260, from Lai, M.E., et al. (April 1995)
AT	<u>64</u>	NCBI Entrez, GenBank Report, Accession No. X85272, from Lai, M.E., et al. (April 1995)

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 FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT <small>15 May 2004</small> <small>PATENT & TRADEMARKS</small>		ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
		FIRST NAMED INVENTOR Seibel et al.	
		FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>65</u>	NCBI Entrez, GenBank Report, Accession No. X85275, from Lai, M.E., et al. (April 1995)
AS	<u>65</u>	NCBI Entrez, GenBank Report, Accession No. X85284, from Lai, M.E., et al. (April 1995)
AT	<u>65</u>	NCBI Entrez, GenBank Report, Accession No. X85285, from Lai, M.E., et al. (April 1995)

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		FIRST NAMED INVENTOR Sebbel et al.			
		FILING DATE May 4, 2001		ART UNIT 1648	

U.S. PATENT DOCUMENTS

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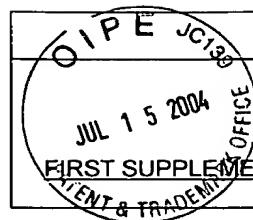
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	66	NCBI Entrez, GenBank Report, Accession No. X85286, from Lai, M.E., et al. (April 1995)
AS	66	NCBI Entrez, GenBank Report, Accession No. X85287, from Lai, M.E., et al. (April 1995)
AT	66	NCBI Entrez, GenBank Report, Accession No. X85291, from Lai, M.E., et al. (April 1995)

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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENTATTY. DOCKET NO.
1700.0180002/BJD/SJEAPPLICATION NO.
09/848,616FIRST NAMED INVENTOR
Seibel et al.FILING DATE
May 4, 2001ART UNIT
1648

U.S. PATENT DOCUMENTS

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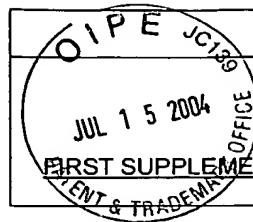
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	AS	67	NCBI Entrez, GenBank Report, Accession No. X85295, from Lai, M.E., et al. (April 1995)
	AT	67	NCBI Entrez, GenBank Report, Accession No. X85296, from Lai, M.E., et al. (April 1995)

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FORM PTO-1449

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Sebbel et al.FILING DATE
May 4, 2001ART UNIT
1648**U.S. PATENT DOCUMENTS**

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AR	<u>68</u>	NCBI Entrez, GenBank Report, Accession No. X85297, from Lai, M.E., et al. (April 1995)
AS	<u>68</u>	NCBI Entrez, GenBank Report, Accession No. X85298, from Lai, M.E., et al. (April 1995)
AT	<u>68</u>	NCBI Entrez, GenBank Report, Accession No. X85299, from Lai, M.E., et al. (April 1995)

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AR	<u>69</u>	NCBI Entrez, GenBank Report, Accession No. X85301, from Lai, M.E., et al. (April 1995)
AS	<u>69</u>	NCBI Entrez, GenBank Report, Accession No. X85302, from Lai, M.E., et al. (April 1995)
AT	<u>69</u>	NCBI Entrez, GenBank Report, Accession No. X85303, from Lai, M.E., et al. (April 1995)

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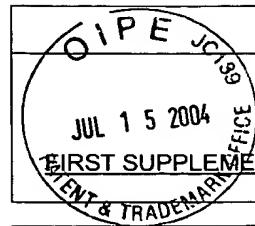
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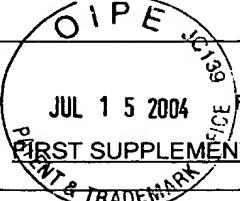
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>72</u>	NCBI Entrez, GenBank Report, Accession No. X85317, from Lai, M.E., et al. (April 1995)
	AS	<u>72</u>	NCBI Entrez, GenBank Report, Accession No. X85319, from Lai, M.E., et al. (April 1995)
	AT	<u>72</u>	NCBI Entrez, GenBank Report, Accession No. X80925, from Karayiannis, P. (December 1995)

EXAMINER	DATE CONSIDERED
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 JUL 15 2004 FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
	FIRST NAMED INVENTOR Seibel et al.	
	FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AN						Yes No
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	AP						Yes No

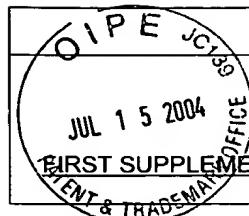
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	AR	<u>73</u>	NCBI Entrez, GenBank Report, Accession No. AAC50341, from Yao, Z., et al. (January 1996)
	AS	<u>73</u>	NCBI Entrez, GenBank Report, Accession No. X72702, from Preisler-Adams, S., et al. (February 1996)
	AT	<u>73</u>	NCBI Entrez, GenBank Report, Accession No. VCBPR7, from Weber, K., et al. (April 1996)

EXAMINER

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FORM PTO-1449

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ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FIRST NAMED INVENTOR Sebbel et al.	
FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	74	NCBI Entrez, GenBank Report, Accession No. 1604193A, from Gomez, F., et al. (October 1996)
AS	74	NCBI Entrez, GenBank Report, Accession No. B56338, from Hoffman, D.R. (May 1997)
AT	74	NCBI Entrez, GenBank Report, Accession No. U95551, from Rao, B.S., et al. (June 1997)

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 FORM PTO-1449		ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
		FIRST NAMED INVENTOR Seibel <i>et al.</i>	FILING DATE May 4, 2001
		ART UNIT 1648	

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>75</u>	NCBI Entrez, GenBank Report, Accession No. S14764, from Vandermeers, A., et al. (October 1997)
AS	<u>75</u>	NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)
AT	<u>75</u>	NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998)

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U.S. PATENT DOCUMENTS

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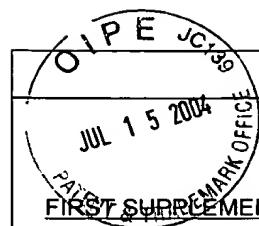
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>76</u>	NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., et al. (April 1998)
AS	<u>76</u>	NCBI Entrez, GenBank Report, Accession No. AF043593, from Gunther, S., et al. (May 1998)
AT	<u>76</u>	NCBI Entrez, GenBank Report, Accession No. 1POC, from Scott, D.L., et al. (September 1998)

EXAMINER	DATE CONSIDERED
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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE
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ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FIRST NAMED INVENTOR Sebel et al.	
FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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AR	<u>77</u>	NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., et al. (February 1999)
AS	<u>77</u>	NCBI Entrez, GenBank Report, Accession No. X02496, from Bichko, V., et al. (April 1999)
AT	<u>77</u>	NCBI Entrez, GenBank Report, Accession No. MFIV62, from Cox, N.J., et al. (July 1999)

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		FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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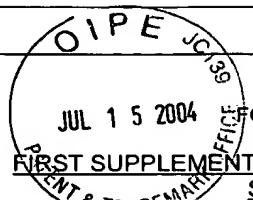
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AR	78	NCBI Entrez, GenBank Report, Accession No. VCBPFR, from Wittmann-Liebold, B., et al. (July 1999)
AS	78	NCBI Entrez, GenBank Report, Accession No. A59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)
AT	78	NCBI Entrez, GenBank Report, Accession No. B59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)

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	FIRST NAMED INVENTOR Sebbel et al.	
	FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>79</u>	NCBI Entrez, GenBank Report, Accession No. AF051814, from Boyd, E.F., and Hartl, D.L. (September 1999)
	AS	<u>79</u>	NCBI Entrez, GenBank Report, Accession No. AF110999, from Chang, S.F., et al. (October 1999)
	AT	<u>79</u>	NCBI Entrez, GenBank Report, Accession No. AB033559, from Okamoto, H., et al. (October 1999)

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		FIRST NAMED INVENTOR Seibel <i>et al.</i>	
		FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>80</u>	NCBI Entrez, GenBank Report, Accession No. AB010289, from Koseki, T., <i>et al.</i> (December 1999)
	AS	<u>80</u>	NCBI Entrez, GenBank Report, Accession No. AJ132364, from Graupner, S., <i>et al.</i> (April 2000)
	AT	<u>80</u>	NCBI Entrez, GenBank Report, Accession No. AF237482, from Johnson, J.R., <i>et al.</i> (May 2000)

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 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
	FIRST NAMED INVENTOR Sebbel et al.	
	FILING DATE May 4, 2001	ART UNIT 1648
	FORM PTO-1449	

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>81</u>	NCBI Entrez, GenBank Report, Accession No. M32138, from Tong, S.P., et al. (July 2000)
AS	<u>81</u>	NCBI Entrez, GenBank Report, Accession No. AF229646, from Skerker, J.M., and Shapiro, L. (August 2000)
AT	<u>81</u>	NCBI Entrez, GenBank Report, Accession No. M95589, from Shi, H., et al. (January 2001)

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		FIRST NAMED INVENTOR Sebbel et al.	FILING DATE May 4, 2001
		ART UNIT 1648	

U.S. PATENT DOCUMENTS

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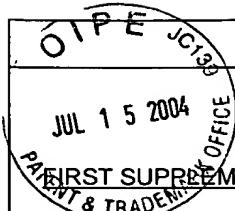
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	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>82</u>	NCBI Entrez, GenBank Report, Accession No. VCBPM2, from Min Jou, W., et al. (January 2001)
AS	<u>82</u>	NCBI Entrez, GenBank Report, Accession No. AF323080, from Steppan, C.M., et al. (January 2001)
AT	<u>82</u>	NCBI Entrez, GenBank Report, Accession No. AF323081, from Steppan, C.M., et al. (January 2001)

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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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1700.0180002/BJD/SJEAPPLICATION NO.
09/848,616FIRST NAMED INVENTOR
Sebbel et al.FILING DATE
May 4, 2001ART UNIT
1648

U.S. PATENT DOCUMENTS

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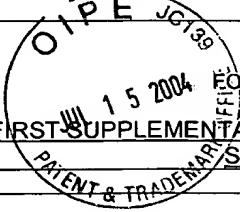
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>83</u>	NCBI Entrez, GenBank Report, Accession No. U14003, from Plunket, G., III, et al. (January 2001)
AS	<u>83</u>	NCBI Entrez, GenBank Report, Accession No. AF121239, from Hannoun, C., et al. (February 2001)
AT	<u>83</u>	NCBI Entrez, GenBank Report, Accession No. AF121240, from Hannoun, C., et al. (February 2001)

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		FILING DATE May 4, 2001	ART UNIT 1648

U.S. PATENT DOCUMENTS

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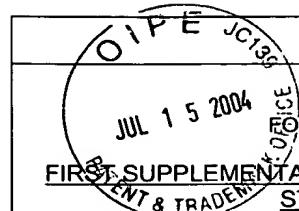
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>84</u>	NCBI Entrez, GenBank Report, Accession No. AF121242, from Hannoun, C., et al. (February 2001)
AS	<u>84</u>	NCBI Entrez, GenBank Report, Accession No. X59795, from Lai, M.E., et al. (March 2001)
AT	<u>84</u>	NCBI Entrez, GenBank Report, Accession No. X65257, from Lai, M.E., et al. (March 2001)

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FORM PTO-1449

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1700.0180002/BJD/SJEAPPLICATION NO.
09/848,616FIRST NAMED INVENTOR
Seebel et al.FILING DATE
May 4, 2001ART UNIT
1648

U.S. PATENT DOCUMENTS

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>85</u>	NCBI Entrez, GenBank Report, Accession No. X65258, from Lai, M.E., et al. (March 2001)
AS	<u>85</u>	NCBI Entrez, GenBank Report, Accession No. AF151735, from Gerner, P., et al. (April 2001)
AT	<u>85</u>	NCBI Entrez, GenBank Report, Accession No. AJ000636, from Gousset, N., et al. (November 2001)

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			

U.S. PATENT DOCUMENTS

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>86</u>	NCBI Entrez, GenBank Report, Accession No. AAB59424, from Kenten, J.H., et al. (February 2002)
AS	<u>86</u>	NCBI Entrez, GenBank Report, Accession No. AAC06250, from Beekwilder, M.J., et al. (March 2002)
AT	<u>86</u>	NCBI Entrez, GenBank Report, Accession No. L09137, from Yanisch-Perron, C., et al. (May 2002)

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		ART UNIT 1648	

U.S. PATENT DOCUMENTS

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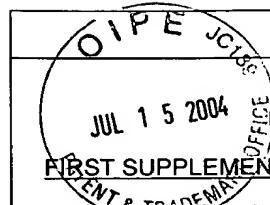
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>87</u>	NCBI Entrez, GenBank Report, Accession No. O09006, from Hromas, R., et al. (June 2002)
AS	<u>87</u>	NCBI Entrez, GenBank Report, Accession No. P40224, from Nagasawa, T., et al. (June 2002)
AT	<u>87</u>	NCBI Entrez, GenBank Report, Accession No. P34884, from Bernhagen, J., et al. (June 2002)

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U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>88</u>	NCBI Entrez, GenBank Report, Accession No. P06821, from Winter, G., et al. (June 2002)
AS	<u>88</u>	NCBI Entrez, GenBank Report, Accession No. P30904, from Sakai, M., et al. (June 2002)
AT	<u>88</u>	NCBI Entrez, GenBank Report, Accession No. NP_040754, from Inokuchi, Y., et al. (June 2003)

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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT

ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FIRST NAMED INVENTOR Seibel et al.	
FILING DATE May 4, 2001	ART UNIT 1648

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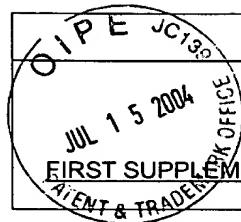
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>89</u>	NCBI Entrez, GenBank Report, Accession No. NP_061354, from Ishikawa, S., et al. (September 2003)
AS	<u>89</u>	NCBI Entrez, GenBank Report, Accession No. NP_031804, from Lenda, D.M., et al. (September 2003)
AT	<u>89</u>	NCBI Entrez, GenBank Report, Accession No. NP_006410, from Luther, S.A., et al. (September 2003)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>90</u>	NCBI Entrez, GenBank Report, Accession No. NP_000748, from Yao, G.Q., et al. (September 2003)
AS	<u>90</u>	NCBI Entrez, GenBank Report, Accession No. P03069, from Hinnebusch, A.G., et al. (September 2003)
AT	<u>90</u>	NCBI Entrez, GenBank Report, Accession No. O00585, from Hromas, R., et al. (September 2003)

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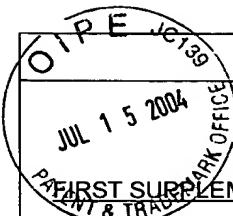
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>91</u>	NCBI Entrez, GenBank Report, Accession No. P14174, from Weiser, W.Y., et al. (September 2003)
AS	<u>91</u>	NCBI Entrez, GenBank Report, Accession No. P48061, from Spotila, L.D., et al. (September 2003)
AT	<u>91</u>	NCBI Entrez, GenBank Report, Accession No. P80003, from Vandermeers, A., et al. (September 2003)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>92</u>	Swiss-Prot/TrEMBL, TN11_Mouse, Primary Accession No. O35235, entered in Swiss-Prot in October 2001
	AS	<u>92</u>	Swiss-Prot/TrEMBL, TN11_Human, Primary Accession No. O14788, entered in Swiss-Prot in October 2001
	AT	<u>92</u>	Copy of co-pending U.S. application 10/622,087, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED)

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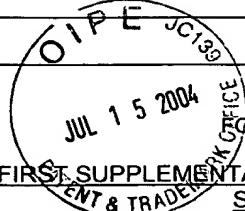
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	93	Copy of co-pending U.S. Application No. 10/733,582, inventors Renner <i>et al.</i> , filed December 12, 2003 (NOT PUBLISHED)
AS	93	Jegerlehner, A., et al., "A molecular assembly system that renders antigens of choice highly repetitive for induction of protective B cell responses," Vaccine 20:3104-3112, Elsevier Science, Ltd. (August 2002)
AT	93	NCBI Entrez, PubMed Abstract, PMID: 2205968, Diallo, A., et al., "Morbillivirus group: genome organization and proteins," Vet. Microbiol. 23:155-163 (1990)

EXAMINER

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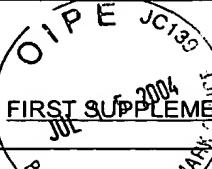
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	94	Dialog File 351, Accession No. 1994-111516, Derwent WPI English language abstract for FR 2695563
AS	94	International Search Report for International Application No. PCT/IB02/00168 mailed on November 4, 2002
AT	94	International Search Report for International Application No. PCT/IB02/00166 mailed on October 29, 2002

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>95</u>	International Search Report for International Application No. PCT/IB02/00166, mailed January 31, 2003
AS	<u>95</u>	Copy of Office Action mailed June 6, 2001, for United States Patent Application No. 09/449,631, Renner et al., filed November 30, 1999.
AT	<u>95</u>	Copy of Office Action mailed February 27, 2002, for United States Patent Application No. 09/449,631, Renner et al., filed November 30, 1999.

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	AR	<u>96</u>	Copy of Office Action mailed November 14, 2002, for United States Patent Application No. 09/449,631, Renner <i>et al.</i> , filed November 30, 1999.
	AS	<u>96</u>	Copy of Office Action mailed March 1, 2004, for United States Patent Application No. 10/050,902, Renner <i>et al.</i> , filed January 18, 2002.
	AT		

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